

Bore Hole No	Location		Diameter of Borehole	Date of Commencement	Date of completion
	Latitude	Longitude			
1	9°07'16.4"N	79°29'31.4"E	100mm	10-2-05	11-2-05
Depth below GL	Visual soil description	Depth	Type	No	Penetration (cm)
					15 30 45 60 N
0.0 - 1.5	Grey fine sand	1.5	SPT		2 4 5 - 9
1.5 - 3.0	Grey fine sand	3.0	SPT		3 6 6 - 12
3.0 - 4.5	Grey silty fine sand	4.5	SPT		5 6 7 - 13
4.5 - 6.0	Grey silty fine sand	6.0	SPT		9 16 25 - 41
6.0 - 7.5	Greyish ash coloured silty fine sand	7.5	SPT		12 20 31 - 51
7.5 - 9.0	Grey silty clay with pieces of calcareous sand stone	9.0	SPT		16 10 9 - 19
9.0 - 10.5	Grey silty clay with pieces of calcareous sand stone	10.5	SPT		10 12 12 - 24
10.5 - 12.0	Crushed pieces of rocks and calcareous sand stone	12.0	SPT		For 6cm penetration 50 blows rock from 12m depth below ground level bore hole terminated at 12 m
					15 30 45 60 N
12.0 - 13.5	Silty fine sand	13.5	SPT		5 5 8 - 13
13.5 - 15.0	Fine sand with white colour small stones (may be coral bed)	15.0	SPT		21 30 56 - 86
15.0 - 16.5	Fine silty sand with one or two stones	16.5	SPT		20 40 40 - 86
16.5 - 18.0	Fine silty sand (Greyish in colour)	18.0	SPT		15 For 22cm penetration 100
18.0 - 19.5	Silty fine sand	18.0	SPT		9 12 16 - 28
19.5 - 21.0	Silty fine sand	21.0	SPT		18 19 21 - 40

NOTE: SOIL DATA IS BASED ON NOT FINAL REPORT - FEB 2005.

As per the instructions of the client, the data is to be used for the purpose of the project only and not for any other purpose. The data is to be used for the purpose of the project only and not for any other purpose. The data is to be used for the purpose of the project only and not for any other purpose.

PROJECT: SETHUSAMUDRAM SHIP CHANNEL PROJECT - DPR & EVALUATION OF EIA
TITLE: BORELOG - 1 AT ADAM'S BRIDGE



L&T-RAMBØLL
CONSULTING ENGINEERS LIMITED

REPORT NO.
RP 004 (A)

PROJECT NO.
C1041202

DATE: 28-02-05

PREPARED BY

FIGURE NO.
FD0511

REV.
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Bore Hole No	Location		Diameter of Borehole	Date of Commencement	Date of completion
	Latitude	Longitude			
1	9°07'16.4"N	79°29'31.4"E	100mm	10-2-05	11-2-05
Depth below GL	Visual soil description	Depth	Type	No	Penetration (cm)
					15 30 45 60 N
0.0 - 1.5	Grey fine sand	1.5	SPT		2 4 5 - 9
1.5 - 3.0	Grey fine sand	3.0	SPT		3 6 6 - 12
3.0 - 4.5	Grey silty fine sand	4.5	SPT		5 6 7 - 13
4.5 - 6.0	Grey silty fine sand	6.0	SPT		9 16 25 - 41
6.0 - 7.5	Greyish ash coloured silty fine sand	7.5	SPT		12 20 31 - 53
7.5 - 9.0	Grey silty clay with pieces of calcareous sand stone	9.0	SPT		16 10 9 - 19
9.0 - 10.5	Grey silty clay with pieces of calcareous sand stone	10.5	SPT		10 12 12 - 24
10.5 - 12.0	Crushed pieces of rocks and calcareous sand stone	12.0	SPT		For 6cm penetration 50 blows rock from 12m depth below ground level bore hole terminated at 12 m
					15 30 45 60 N
12.0 - 13.5	Silty fine sand	13.5	SPT		5 5 8 - 13
13.5 - 15.0	Fine sand with white colour small stones (may be coral bed)	15.0	SPT		21 30 56 - 86
15.0 - 16.5	Fine silty sand with one or two stones.	16.5	SPT		20 40 46 - 86
16.5 - 18.0	Fine silty sand (Greyish in colour)	18.0	SPT		15 For 22cm penetration 100
18.0 - 19.5	Silty fine sand	18.0	SPT		9 12 16 - 28
19.5 - 21.0	Silty fine sand	21.0	SPT		18 19 21 - 40

NOTE: 100% DATA IS BASED ON MOST RECENT REPORT - YEAR 2005

REPORT NO.	RP 004 (A)
PROJECT NO.	C1041202
DATE: 10-02-95	
MADE BY	
FIGURE NO.	REV
FD0511	0

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	TITLE: BORELOG - 1 AT ADAM'S BRIDGE
	L&T-RAMBOLL CONSULTING ENGINEERS LIMITED

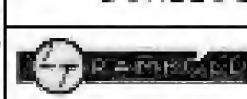
Bore Hole No	Location		Diameter of Borehole	Date of Commencement	Date of completion					
	Latitude	Longitude								
2	7°07'29.50"N	79°29'15.20"E	100mm	10-2-05	11-2-05					
Depth below GL	Visual soil description		Depth	Type	No	Penetration (cm)				
						15	30	45	60	N
0.0 – 1.5	Fine sand		1.5	SPT		14	15	21	-	36
1.5 – 3.0	Grey silty fine sand		3.0	SPT		12	18	28	-	46
3.0 – 4.5	Grey silty fine sand		4.5	SPT		14	23	31	-	54
4.5 – 6.0	Grey silty fine sand		6.0	SPT		18	24	32	-	56
6.0 – 7.5	Grey colour silty fine sand calcareous?		7.5	SPT		22	26	33	-	59
7.5 – 9.0	Grey colour silty fine sand calcareous?		9.0	SPT		20	25	29	-	54
9.0 – 10.5	Grey silty clay with pieces of calcareous sand stone		10.5	SPT		10	7	9	-	16
10.5 – 12.0	Grey silty clay with pieces of calcareous sand stone		12.0	SPT		8	10	11	-	21
12.0 – 13.0	Pieces of rocks and pebbles to calcareous sand stones		13.0	DES		15cm core recovered core				
13.0 – 13.5	Coral bed (White to grey in colour)		13.5	Core		1 – 11 – 1m depth.				
13.5 – 14.5	Silty fine sand (grey to ash colour)		14.5	SPT		13	16	18	-	34
14.5 – 16.0	Silty fine sand (Ash colour)		16.0	SPT		15	19	21	-	40
16.0 – 17.0	Sand stone/coral bed at 1.0 m depth from core recovery = 34cm.		16.0 to 17.0 m from G.L.							
17.0 – 18.0	Fine sand with coral bed / sand stone		50 holes for 10cm penetrations.							
18.0 – 19.5	Fine sand with coral bed / sand stone pieces.		21.32 pieces at 1.5m depth							
19.5 – 21.0	Silty fine sand		21.0	SPT		14	23	26	-	49

NOTE: SOIL DATA IS BASED ON PRELIMINARY REPORT - FEB 2005.

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PROJECT: SETHUSAMUDRAM SHIP CHANNEL PROJECT - DPR & EVALUATION OF EIA

TITLE: BORELOG - 2 AT ADAM'S BRIDGE



L&T-RAMBOLL
CONSULTING ENGINEERS LIMITED

REPORT NO:
RP 004 (A)

PROJECT NO:
C1041202

DATE: 10-02-05

HAZ: SR

FIGURE NO:
FD0512

REV:
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Bore Hole No	Location		Diameter of Borehole	Date of Commencement	Date of completion
	Latitude	Longitude			
4	9°7.875'N	79°29.069'E	100mm	7-2-05	8-2-05
Depth below GL	Visual soil description	Depth	Type	No	Penetration (cm)
					15 30 45 60 N
0.00 – 1.5	Medium to fine grained olive grey sand	1.5	SPT	3	6 10 - 16
1.5 – 3.0	Medium to fine grained calcareous sand	3.0	SPT	5	9 13 - 22
3.0 – 4.5	Medium to coarse sand with shell pieces somewhat calcareous	4.5	SPT	8	14 21 - 35
4.5 – 6.0	Medium to fine sand with minor pieces of calcareous rocks	6.0	SPT	12	20 29 - 49
6.0 – 7.5	Medium to fine sand with minor pieces of calcareous rocks	7.5	SPT	12	22 35 - 57
7.5 – 9.0	Medium to fine grained sand, appears calcareous	9.0	SPT	16	30 46 - 76
9.0 – 10.5	Olive grey clay to silt with hard calcareous sand stones with shells	10.5	SPT	3	4 5 - 9
10.5 – 12.0	Olive grey clay to silt with hard calcareous sand stones with shells	12	SPT	6	5 5 - 10
12.0 – 13.5	Semi plastic silty calcareous clay with shell and pieces of sand stone	13.5	SPT	11	13 15 - 26
13.5 – 15.0	Dense calcareous silty sand to sandy silt	15.0	SPT	16	28 27 - 55
15.0 – 16.5	Ash coloured silty sand	16.5	SPT	14	18 20 - 38
16.5 – 18.0	Grey calcareous silty fine sand	18.0	SPT	15	19 24 - 43
18.0 – 19.5	Grey calcareous silty fine sand	19.5	SPT	19	24 26 - 50
19.5 – 21.0	Grey calcareous silty fine sand	21.0	SPT	24	30 36 - 66
Bore hole terminated in a depth of 21 m below GL					

DOI: 10.1002/for

REPORT

RP 004 (A)

PROJECT: SETHUSAMUDRAM SHIP CHANNEL PROJECT - DPR
& EVALUATION OF FIA

PROJECT NO:	C104.1202
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TITLE	BORELOG - 4 AT ADAM'S BRIDGE
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DATE: 10-03-05

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FIGURE NO.
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